

```

1 MVRSGNKA VVLCMDVGF TMSNIPGIESPFEQAKKVITMFVQRQVFAEN 50
  |||||
1 MVRSGNKA VVLCMDVGF TMSNIPGIESPFEQAKKVITMFVQRQVFAEN 50

51 KDEIALVLF GTDGT DNPLSGGDQYQNI TVHRHMLP DFDLLEDIESKIOP 100
  |||||
51 KDEIALVLF GTDGT DNPLSGGDQYQNI TVHRHMLP DFDLLEDIESKIOP 100

101 GSQQADFLDALIVSMDVIQHETIGKKFEKRRHIEI FTDLSSRFSKSQLDII 150
  |||||
101 GSQQADFLDALIVSMDVIQHETIGKKFEKRRHIEI FTDLSSRFSKSQLDII 150

151 IHSLKKCDISLQFFLPFSLGKEDGSGDRGDGPFR LGGHGSPFPLKGITEQ 200
  |||||
151 IHSLKKCDISLQFFLPFSLGKEDGSGDRGDGPFR LGGHGSPFPLKGITEQ 200

201 QKEGLEIVKMVMISLEGEDGLDEIYSFSESLRKLCVFKKIERHSIHWPCR 250
  |||||
201 QKEGLEIVKMVMISLEGEDGLDEIYSFSESLRKLCVFKKIERHSIHWPCR 250

```

Fig. 1

251 LTIGSNLSIRIAAYKSILQERVKKTWTVVDKTLKKEDIQETVYCLNDD 300
 |||||
 251 LTIGSNLSIRIAAYKSILQERVKKTWTVVDKTLKKEDIQETVYCLNDD 300
 . . .
 301 DETEVLKEDIQGFYRGSDIVPFSKVDEEQMKYKSEGKCFVSLGFCKSSQ 350
 |||||
 301 DETEVLKEDIQGFYRGSDIVPFSKVDEEQMKYKSEGKCFVSLGFCKSSQ 350
 . . .
 351 VQRRFFMGNQVLKVFAARDDEAAVALSSLIHALDDLDMVAIVRYAYDKR 400
 |||||
 351 VQRRFFMGNQVLKVFAARDDEAAVALSSLIHALDDLDMVAIVRYAYDKR 400
 . . .
 401 ANPQVGVAFFPHIKHNYECLVYVQLPFMEDLRQYMFSSLKNKKYAPTEAQ 450
 |||||
 401 ANPQVGVAFFPHIKHNYECLVYVQLPFMEDLRQYMFSSLKNKKYAPTEAQ 450
 . . .
 451 LNAVDALIDMSLAKKDEKTDLTLEDLFPPTTKIPNPRFQRLFQ 492
 |||||
 451 LNAVDALIDMSLAKKDEKTDLTLEDLFPPTTKIPNPRFQRLFQ 492

Fig. 1 (Cont..)

```

1  MVRSGNKAADVLCMDVGFTMSNSIPGIESPFQAKKVI TMFVQRQVFAEN 50
   |||||||
1  MVRSGNKAADVLCMDVGFTMSNSIPGIESPFQAKKVI TMFVQRQVFAEN 50

51 KDEIALVLFGTGTDNPLSGGDQYQNI TVHRHMLPDEFDLEDIESKIQP 100
   |||||||
51 KDEIALVLFGTGTDNPLSGGDQYQNI TVHRHMLPDEFDLEDIESKIQP 100

101 GSQQADFLDALIVSMDVIQHETIGKKFEKRHIEIFTDLSSRFSKSQLDII 150
   |||||||
101 GSQQADFLDALIVSMDVIQHETIGKKFEKRHIEIFTDLSSRFSKSQLDII 150

151 IHSLKKCDISLQFFLPFSLGKEDGSGDRGDPFRLGGHGSPFLKGITEQ 200
   |||||||
151 IHSLKKCDISLQFFLPFSLGKEDGSGDRGDPFRLGGHGSPFLKGITEQ 200

201 QKEGLEIVKMVMISLEGEDGLDEIYSFSESLRKL CVFKKIERHSIHWPCR 250
   |||||||
201 QKEGLEIVKMVMISLEGEDGLDEIYSFSESLRKL CVFKKIERHSIHWPCR 250

```

Fig. 2.

251 LTIGSNLSIRIAAYKSILQERVKKTWTVVDAKTLKKEDIQKETVYCLNDD 300
 |||||
 251 LTIGSNLSIRIAAYKSILQERVKKTWTVVDAKTLKKEDIQKETVYCLNDD 300
 304
 301 DETE..... 304
 ||||
 301 DETEVLKEDIQFRYGSDIVPFSKVDEEQMKYSEKCFVLGFKSSQ 350
 LNPPAEVTTKSQIPLSKIKTLFPLIEAKKDKQVTA 339
 |||||
 501 PREPLPIQQHINMLNPPAEVTTKSQIPLSKIKTLFPLIEAKKDKQVTA 550
 389
 340 QEIFQDNHEDGPTAKKLKTEQGAHFSVSSLAEGSVTSVGSVNPAENFRV 389
 |||||
 551 QEIFQDNHEDGPTAKKLKTEQGAHFSVSSLAEGSVTSVGSVNPAENFRV 600
 439
 390 LVKQKKASFEESASNQLINHIEQFLDTNETPYFMKSIDCIRAFREEAIKFS 439
 |||||
 601 LVKQKKASFEESASNQLINHIEQFLDTNETPYFMKSIDCIRAFREEAIKFS 650

Fig. 2 (Cont.)

```

440  EEQRFNNFLKALQEKVEIKQLNHFWEIVVQDGIITLITKEEASGSSVTAEF  489
      |||||
651  EEQRFNNFLKALQEKVEIKQLNHFWEIVVQDGIITLITKEEASGSSVTAEF  700
      |||||
      490  AKKFLAPKDKPSGDTAAVFEEGGDVDDLDMI  521
            |||||
      701  AKKFLAPKDKPSGDTAAVFEEGGDVDDLDMI  732
            |||||

```

Fig. 2 (Cont.)

2 GCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 51
 |||||
 1 GCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 50
 .
 52 EGSNPPASPLQDNLVIALHSYEP SHDGLGFEKGEQLRILEQSGEWWKAQ 101
 |||||
 51 EGSNPPASPLQDNLVIALHSYEP SHDGLGFEKGEQLRILEQSGEWWKAQ 100
 .
 102 SLTTGQEGFIPNFVAKANSLEPEPWF FKNLSRKDAERQLLAPGNTHGSF 151
 |||||
 101 SLTTGQEGFIPNFVAKANSLEPEPWF FKNLSRKDAERQLLAPGNTHGSF 150
 .
 152 LIRESESTAGSFSLSVRDFDQNGEVV KHKYKIRNLDNGGFYISPRITFPG 201
 |||||
 151 LIRESESTAGSFSLSVRDFDQNGEVV KHKYKIRNLDNGGFYISPRITFPG 200
 .
 202 LHELVRHYTNASDGLCTRLSRPCQTQKPQKPWWEDEWEVPRETLKLVERL 251
 |||||
 201 LHELVRHYTNASDGLCTRLSRPCQTQKPQKPWWEDEWEVPRETLKLVERL 250

Fig. 3

252 GAGQFGEVWMGYNGHTKVAVKSLKQGSMSPD AFLAEANL MKQLQHQLV 301
 |||||
 251 GAGQFGEVWMGYNGHTKVAVKSLKQGSMSPD AFLAEANL MKQLQHQLV 300
 |||||
 302 RLYAVVTQEPIYII TEYMENGLVDFL KTPSGIKLTINKLLD MAAQIAEG 351
 |||||
 301 RLYAVVTQEPIYII TEYMENGLVDFL KTPSGIKLTINKLLD MAAQIAEG 350
 |||||
 352 MAFIEERNYIHRDLRAANILVSDTL SCKIADFGLARLIEDIHHQVR 397
 ||||| : |
 351 MAFIEERNYIHRDLRAANILVSDTL SCKIADFGLARLIEDNEYTAR 396

Fig. 3 (Cont.)

302 TLKLVRLGAGQFGEVVMGYNGHTKVAVKSLKQGSMSPD AFLAEANL MK 351
 |||||
 243 TLKLVRLGAGQFGEVVMGYNGHTKVAVKSLKQGSMSPD AFLAEANL MK 292
 .
 352 QLQHRLVRLYAVVTQEPIYIITEYMENGSLVD FLKTPSGIKLTINKLLD 401
 |||||
 293 QLQHRLVRLYAVVTQEPIYIITEYMENGSLVD FLKTPSGIKLTINKLLD 342
 .
 402 MAAQIAEGMAFIEERNYIHRDLRAANILVSDT LSCKIADFG LARLIEDNE 451
 |||||
 343 MAAQIAEGMAFIEERNYIHRDLRAANILVSDT LSCKIADFG LARLIEDNE 392
 .
 452 YTAREGAKFPIKWTAPEAINYGTF TIKSDVWSFGILLTEIVTHGRIPYPG 501
 |||||
 393 YTAREGAKFPIKWTAPEAINYGTF TIKSDVWSFGILLTEIVTHGRIPYPG 442
 .
 502 MTNPEVIQNLERGYRMVRPDNCPEELYQLMR LCWKERPEDRPTFDYLR SV 551
 |||||
 443 MTNPEVIQNLERGYRMVRPDNCPEELYQLMR LCWKERPEDRPTFDYLR SV 492
 .
 552 LEDFFTATEGQYQPQP 567
 |||||
 493 LEDFFTATEGQYQPQP 508

Fig. 4 (Cont.)


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2 GCGSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 51
  |||||
1 GCGSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 50
52 EGSNPPASPLQGDPRQGLKDKACGSLAVGFHLSPTYFLPGLAFLVPHPV 101
  |||||
51 EGSNPPASPLQ..... 61
102 TPGFLPIPARFSLTPLVFTDNLVIALHSYEPSHDGDLGFEKGEQLRILEQ 151
  |||||
62 .....DNLVIALHSYEPSHDGDLGFEKGEQLRILEQ 92
152 SGEWWKAQSLTTGQEGFIPFNFAKANSLPEPEPWFKNLSRKDAERQLLA 201
  |||||
93 SGEWWKAQSLTTGQEGFIPFNFAKANSLPEPEPWFKNLSRKDAERQLLA 142
202 PGNTHGSFLIRESESTAGSFSLSVRDFDQNGQEVVKHYKIRNLDNGGFYI 251
  |||||
143 PGNTHGSFLIRESESTAGSFSLSVRDFDQNGQEVVKHYKIRNLDNGGFYI 192
252 SPRIITFPGLHELVRHYTNASDGLCTRLSRPCQTQKPQKPWWEDEWEVPRE 301
  |||||
193 SPRIITFPGLHELVRHYTNASDGLCTRLSRPCQTQKPQKPWWEDEWEVPRE 242

```

Fig. 4

1 MRIAVICFLLGITCAIPVKQADSGSSEKQLYNKYPDAVATWLNPDPSQ 50
 |||||
 1 MRIAVICFLLGITCAIPVKQADSGSSEKQLYNKYPDAVATWLNPDPSQ 50
 51 KQNLAPQNAVSSSEETNDFKQETLPSKSNEHDMDDMDEDDDDHVDQS 100
 |||||
 51 KQNLAPQNAVSSSEETNDFKQETLPSKSNEHDMDDMDEDDDDHVDQS 100
 101 DSIDSNSDDVDDTDDSHQSDSHHSDSEDELVTDFPTDLPATEVFTPVV 150
 |||||
 101 DSIDSNSDDVDDTDDSHQSDSHHSDSEDELVTDFPTDLPATEVFTPVV 150
 151 PTVDITYDGRGDSVVYGLRSKSKKFRRPDIQVNPLTD 186
 |||||
 151 PTVDITYDGRGDSVVYGLRSKSKKFRRPDIQYPDATD 186

Fig. 5

```

62  AEAIPCTLAVSNPHTDAWKSHGLVEVASYCEESRGNQWVPYISLQER 109
    | : | | . | | | | | | | | | | | | | | | | | | | |
114 ARDLHC.LLVTNPHTDAWKSHGLVEVASYCEESRGNQWVPYISLQER 160

```

Fig. 6

1 MRARPQVCEALLFALALQTVGCYGIKWIALSKTPSALALNQTQHCKQLEG 50
 |||||
 1 MRARPQVCEALLFALALQTVGCYGIKWIALSKTPSALALNQTQHCKQLEG 50
 |||||
 51 LVSAQVQLCRSNLELMHTVVHAAREVMKACRRAFADMRWNCCSSIELAPNY 100
 |||||
 51 LVSAQVQLCRSNLELMHTVVHAAREVMKACRRAFADMRWNCCSSIELAPNY 100
 |||||
 101 LLDLERTRESAFVYALSAAISHAIARACTSGDLPGCSCGPVPEPPGP 150
 |||||
 101 LLDLERTRESAFVYALSAAISHAIARACTSGDLPGCSCGPVPEPPGP 150
 |||||
 151 GNRWGRCADNLSYGLLMGAKFSDAPMKVKKTGSQANKLMRLHNSEVGRQA 200
 |||||
 151 GNRWGRCADNLSYGLLMGAKFSDAPMKVKKTGSQANKLMRLHNSEVGRQA 200
 |||||
 201 LRASLEMKCKCHGVSGCSIRTCWKGLQELQDVAADLKTRYLSATKVVHR 250
 |||||
 201 LRASLEMKCKCHGVSGCSIRTCWKGLQELQDVAADLKTRYLSATKVVHR 250

Fig. 7

```

251 PMGTRKHLVPKDLDIRPVKDSELVYLQSSPDFCMKNEKVGSHGTQDRQCN 300
    |||||
251 PMGTRKHLVPKDLDIRPVKDSELVYLQSSPDFCMKNEKVGSHGTQDRQCN 300
    |||||
301 KTSNGSDSCDLM.....CCYVTCRRCERTVER 327
    |||||
301 KTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER 350
    |||||

328 YVCK 331
    |||
351 YVCK 354

```

Fig. 7(Cont.)

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1 MRARPQVCEALLFALALQTGVCYGKWLALSKTPSALALNQTQHCKQLEG 50
  |||||
1 MRARPQVCEALLFALALQTGVCYGKWLALSKTPSALALNQTQHCKQLEG 50
  |||||
51 LVSAQVQLCRSNLELMHTVVHAAREVMKACRRAFADMRWNCSSIELAPNY 100
  |||||
51 LVSAQVQLCRSNLELMHTVVHAAREVMKACRRAFADMRWNCSSIELAPNY 100
  |||||
101 LLDLERTRESAFVYA..... 116
  |||||
101 LLDLERTRESAFVYALSAATISHAIARACTSGDLPGCSCGPVGEPPGP 150
  |||||
117 .....AADLKTRYLSATKVVHR 133
  |||||
201 LRASLEMKCKCHGVSGCSIRTCWKGLQELQDVAADLKTRYLSATKVVHR 250
  |||||
134 PMGTRKHLVPKDLDIRPVKDSSELVYLQSSPDFCMKNEKVGSHGTQDRQCN 183
  |||||
251 PMGTRKHLVPKDLDIRPVKDWELVYLQSSPDFCMKNEKVGSHGTQDRQCN 300
  |||||

```

8.
5.
4.

184 KTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER 233
 |||||
 301 KTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER 350

234 YVCK 237

|||

351 YVCK 354

Fig. 8 (Cont.)

1 MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYVESENGQMYIQKKP 50
 |||||
 1 MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYVESENGQMYIQKKP 50
 .
 51 TMYPPWDSTFDHINKGRVMQIIIVKGKNVDLISSETTVELYSLAERCCKNN 100
 |||||
 51 TMYPPWDSTFDHINKGRVMQIIIVKGKNVDLISSETTVELYSLAERCCKNN 100
 .
 101 GKTEIWLELKPQGRMLMNARYFLEMSDTKDMNEFETEGFFALHQRRAIK 150
 |||||
 101 GKTEIWLELKPQGRMLMNARYFLEMSDTKDMNEFETEGFFALHQRRAIK 150
 .
 151 QAKVHHVKCHEFTATFFPQPTFCSVCHEFVWGLNKQGYQCRQCNAAIHKK 200
 |||||
 151 QAKVHHVKCHEFTATFFPQPTFCSVCHEFVWGLNKQGYQCRQCNAAIHKK 200
 .
 201 CIDKVIKCTGSAINSRFTMFHKEFKIDMPHRFKVYNYKSPTFCEHCGT 250
 |||||
 201 CIDKVIKCTGSAINSRFTMFHKEFKIDMPHRFKVYNYKSPTFCEHCGT 250
 .
 251 LLWGLARQGLKCDACGMNVHHRQCQTKVANLCCGINQKLMAEALAMIESTQQ 300
 |||||
 251 LLWGLARQGLKCDACGMNVHHRQCQTKVANLCCGINQKLMAEALAMIESTQQ 300

Fig. 9

301 ARCLRDTEQIFREGPVEIGLPCSIKNEARPPCLPTPGKREPQGISWESPL 350
 |||||
 301 ARCLRDTEQIFREGPVEIGLPCSIKNEARLPCLPTPGKREPQGISWESPL 350
 . . .
 351 DEVDKMCHLPEPELNKERPSLQIKLKIEDFILHKMLGKSGFGKVFLAEFK 400
 |||||
 351 DEVDKMCHLPEPELNKERPSLQIKLKIEDFILHKMLGKSGFGKVFLAEFK 400
 . . .
 401 KTNQFFAIAKALKKDVVLMDDDVECTMVEKRVLSLAWEHFELTHMFCTFQT 450
 |||||
 401 KTNQFFAIAKALKKDVVLMDDDVECTMVEKRVLSLAWEHFELTHMFCTFQT 450
 . . .
 451 KENLFFVMEYLNCGDLMYHIQSKHFDLSRATFYAAEIIILGLQFLHSGKI 500
 |||||
 451 KENLFFVMEYLNCGDLMYHIQSKHFDLSRATFYAAEIIILGLQFLHSGKI 500
 . . .
 501 VYRDLKLDNILLDKDGHIKIADFGMCKENMLGDAKTNTFCGTPDYIAPEI 550
 |||||
 501 VYRDLKLDNILLDKDGHIKIADFGMCKENMLGDAKTNTFCGTPDYIAPEI 550

Fig. 9 (Cont.)

```

551 LLGQKYNHSVDWWSFGVLLYEMLIQSPFHGQDEEEELFHSIRMDNPFYPR 600
    |||||
551 LLGQKYNHSVDWWSFGVLLYEMLIQSPFHGQDEEEELFHSIRMDNPFYPR 600
    |||||
601 WLEKEAKDLLVKV 613
    |||||
601 WLEKEAKDLLVKI 613

```

Fig. 9(Cont.)

```

1 MPI TRMRP WLEMQINSQIPGLIWINK EEMIFQIPWKHAAKHGWDINK 50
   |||| | ||||| ||||| ||||| ||||| : ||||| ||||| |||||
1 MPI TWMRMRPWLEMQINSQIPGLIWINK EEMILEIPWKHAAKHGWDINK 50
   .
51 DACLFRSWAIHTGRYKAGEKEPDPTWKANFRCAMNSLPDIEEVKDQSRN 100
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
51 DACLFRSWAIHTGRYKAGEKEPDPTWKANFRCAMNSLPDIEEVKDQSRN 100
   .
101 KGSSAVRVYRMLPPLTKNQRKERKS SRDAKSKAKRKSCGDSSPDTFSD 150
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
101 KGSSAVRVYRMLPPLTKNQRKERKS SRDAKSKAKRKSCGDSSPDTFSD 150
   .
151 GLSSSTLPDDHSSYTVPGYMODLEVEQALTPALSPCAVSS TLPDWHIPVE 200
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
151 GLSSSTLPDDHSSYTVPGYMODLEVEQALTPALSPCAVSS TLPDWHIPVE 200
   .
201 VVPDSTDLYNFQVSPMPSTSEATDEDEEGKL PEDIMKLL EQSEWQPTN 250
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
201 VVPDSTDLYNFQVSPMPSISEATDEDEEGKL PEDIMKLL EQSEWQPTN 250
   .
      251 VDGGKYLLNEPGVQPTS VYGDFSCKEEPEIDSPGG 285
         ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
      251 VDGGKYLLNEPGVQPTS VYGDFSCKEEPEIDSPGG 285

```

Fig. 10

1 MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPGAPVEVESFLVHPGDL 50
 |||||
 1 MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPGAPVEVESFLVHPGDL 50

51 LQLRCRLRDDVQSIINWLRDGVQLAESNRTRITGEEVEVQDSVPADSGLYA 100
 |||||
 51 LQLRCRLRDDVQSIINWLRDGVQLAESNRTRITGEEVEVQDSVPADSGLYA 100

101 CVTSSPSGSDTTYFSVNVSDALPSSDDDDSSSEEKETDNTKPNRMP 150
 |||||
 101 CVTSSPSGSDTTYFSVNVSDALPSSDDDDSSSEEKETDNTKPNRMP 150

151 VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPD 200
 |||||
 151 VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPD 200

201 HRIGGYKVRyatWSIIMDSVVPsDKGNyTCIVENEyGSINHTYQLDVVER 250
 |||||
 201 HRIGGYKVRyatWSIIMDSVVPsDKGNyTCIVENEyGSINHTYQLDVVER 250

251 SPHRPILQAGLPANKTVALGSNVFEMCKVYSDDPQPHIQWLKHIEVNGSKI 300
 |||||
 251 SPHRPILQAGLPANKTVALGSNVFEMCKVYSDDPQPHIQWLKHIEVNGSKI 300

Fig. 11

301 GPDNLPYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCIAGNSIGLS 350
 |||||
 301 GPDNLPYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCIAGNSIGLS 350
 |||||
 351 HHSAWLTVLEALEERPAMVTSPLYLEIIYCTGAFLISCMVGSVIVYKMK 400
 |||||
 351 HHSAWLTVLEALEERPAMVTSPLYLEIIYCTGAFLISCMVGSVIVYKMK 400
 |||||
 401 SGTKKSDFHSMQAVHKLAKSIPLRRQVTVSADSSASMNSGVLLVRPSRLS 450
 |||||
 401 SGTKKSDFHSMQAVHKLAKSIPLRRQVTVSADSSASMNSGVLLVRPSRLS 450
 |||||
 451 SSGTPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFQVVLAEAI GL 500
 |||||
 451 SSGTPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFQVVLAEAI GL 500
 |||||
 501 DKDKPNRVTKVAVKMLKSDATEKDLSDLISEMEMMKMI GKHKNI INLLGA 550
 |||||
 501 DKDKPNRVTKVAVKMLKSDATEKDLSDLISEMEMMKMI GKHKNI INLLGA 550
 |||||

Fig. 11 (Cont.)

551 CTQDGPLYVIVEYASKGNLREYLQARRPPGLECYNPSHNPEEQQLSSKDL 600
 |||||
 551 CTQDGPLYVIVEYASKGNLREYLQARRPPGLECYNPSHNPEEQQLSSKDL 600
 601 VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMKIADEGLARDIHH 650
 |||||
 601 VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMKIADEGLARDIHH 650
 651 IDYYKKTNGRLPVKWMapealeFDRIYTHQSDVWSFGV 688
 |||||
 651 IDYYKKTNGRLPVKWMapealeFDRIYTHQSDVWSFGV 688

Fig. 11(Cont.)

2 PKRGKKGVAEDGDELRTPEAKKSKTAAKKNDKEAAGEGPALYEDPPDQ 51
 |||||
 1 PKRGKKGVAEDGDELRTPEAKKSKTAAKKNDKEAAGEGPALYEDPPDQ 50
 .
 52 KTSPSGKPATLKICSWNVDGLRAWIKKKGLDWVKEEAPDILCLQETKCSE 101
 |||||
 51 KTSPSGKPATLKICSWNVDGLRAWIKKKGLDWVKEEAPDILCLQETKCSE 100
 .
 102 NKLPaelQELPGLSHQYWSAPSDKEGYSGVGLLSRQCPLKVSYGI..... 146
 |||||
 101 NKLPaelQELPGLSHQYWSAPSDKEGYSGVGLLSRQCPLKVSYGIGDEEH 150
 .
 147AYVPNAGRGLVRLEYRQRWDEAFERKFLKGLAS 178
 |||||
 151 DQEGRVIVAEFDSEFVLVTAYVPNAGRGLVRLEYRQRWDEAFERKFLKGLAS 200
 .
 179 RKPLVLCGDLNVAHEEIDLNPKNKKNAGFTPQERQGFGEllQAVPLAD 228
 |||||
 201 RKPLVLCGDLNVAHEEIDLNPKNKKNAGFTPQERQGFGEllQAVPLAD 250

Fig. 12

229 SFRHLYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHSLPALCDSKIR 300
|||||

251 SFRHLYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHSLPALCDSKIR 278
|||||

279 SKALGSDHCPITLYAL 295
|||||

301 SKALGSDHCPITLYAL 317

Fig. 12(Cont.)

2 PKRGKKGAVAEDGDELRTGKGMKSALLPRNCGGVCHSLDVREPEAKKSK 51
 |||||
 1 PKRGKKGAVAEDGDELRT.....EPEAKKSK 26
 52 TAAKNDKEAAGEGPALYEDPPDQKTSFGKPAATLKICSWNVDGLRAWIK 101
 |||||
 27 TAAKNDKEAAGEGPALYEDPPDQKTSFGKPAATLKICSWNVDGLRAWIK 76
 102 KKGLDWVKEEAPDILCLQETKCSENKLPALQELPGLSHQYWSAPSDKEG 151
 |||||
 77 KKGLDWVKEEAPDILCLQETKCSENKLPALQELPGLSHQYWSAPSDKEG 126
 152 YSGVGLLSRQCPLKVSYGIGDEEHDQEGRVIVAEFDSFVLVTAYVPNAGR 201
 |||||
 127 YSGVGLLSRQCPLKVSYGIGDEEHDQEGRVIVAEFDSFVLVTAYVPNAGR 176
 202 GLVRLRYRQWDEAFRKFLKGLASRKPLVLCGDLNVAHEEIDLNRNPKGNK 251
 |||||
 177 GLVRLRYRQWDEAFRKFLKGLASRKPLVLCGDLNVAHEEIDLNRNPKGNK 226

Fig. 13

252 KNAGFTPQERQGFCELLQAVPLADSEFRHLYPNTPYAYTFWTYMMNARSKN 301
 |||||
 227 KNAGFTPQERQGFCELLQAVPLADSEFRHLYPNTPYAYTFWTYMMNARSKN 276
 302 VGWRLDYFLLSHSLLPALCDSKIRSKALGSDHCPIITLYLAL 342
 |||||
 277 VGWRLDYFLLSHSLLPALCDSKIRSKALGSDHCPIITLYLAL 317

Fig. 13(Cont.)

1 MFQAAERPQEWAMEGPRDGLKKERLLDDRHSGLDSMKDEEYEQMVKELQ 50
 |||||
 1 MFQAAERPQEWAMEGPRDGLKKERLLDDRHSGLDSMKDEEYEQMVKELQ 50
 |||||
 1 MFQAAERPQEWAMEGPRDGLKKERLLDDRHSGLDSMKDEEYEQMVKELQ 100
 |||||
 51 EIRLEPQEVPRGSEPWKQQLTEDGDSFLHLAIIHEEKALTMENVIRQVKGD 100
 |||||
 51 EIRLEPQEVPRGSEPWKQQLTEDGDSFLHLAIIHEEKALTMENVIRQVKGD 150
 |||||
 101 LAFLNFQNNLQQTPPLHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL 150
 |||||
 101 LAFLNFQNNLQQTPPLHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL 200
 |||||
 151 ACEQGCLASVGVLTSCTTPHLHSILKATNYNGHTCLHLASIHGYLGIVE 200
 |||||
 151 ACEQGCLASVGVLTSCTTPHLHSILKATNYNGHTCLHLASIHGYLGIVE 250
 |||||
 201 LLVSLGADVNAQEPNCNGRTALHLAVDLQNPDLVSLLLKCGADVNRVTYQG 250
 |||||
 201 LLVSLGADVNAQEPNCNGRTALHLAVDLQNPDLVSLLLKCGADVNRVTYQG 250

Fig. 14

251 YSPYQLTWGRPSTRIQQQLTLENLQMLPESEDEESYDTESEFFTE 300
|||||
251 YSPYQLTWGRPSTRIQQQLTLENLQMLPESEDEESYDTESEFFTE 300

301 DEV 303

||.

301 DEL 303

Fig. 14 (Cont.)

1 MFQAAERPQEWAMEGPRDGLKRLDDRHDSGLDSMKDEEYEQMVKELQ 50
 |||||
 1 MFQAAERPQEWAMEGPRDGLKRLDDRHDSGLDSMKDEEYEQMVKELQ 100
 51 EIRLEPQEVPRGSEPWKQQLTEDGDSFLHLAIIHEEKALTMENVIRQVKGD 100
 |||||
 51 EIRLEPQEVPRGSEPWKQQLTEDGDSFLHLAIIHEEKALTMENVIRQVKGD 150
 101 LAFLNFQNNLQQTPHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL 150
 |||||
 101 LAFLNFQNNLQQTPHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL 183
 151 ACEQGCLASVGVLTSCTTPHLHSILKATNYNG..... 200
 |||||
 151 ACEQGCLASVGVLTSCTTPHLHSILKATNYNGHTCLHLASIHGYLGIVE 222
 184QEPNCGR TALHLAVDLQNPDLVSLLLKCGADVNRVTYQG 250
 |||||
 201 LLVSLGADVNAQEPNCGR TALHLAVDLQNPDLVSLLLKCGADVNRVTYQG

Fig. 15

```

223 YSPYQLTWGRPSTRIOQLGQLTLENLQMLPESEDEESYDTESEFFTEFFE 272
|||||
251 YSPYQLTWGRPSTRIOQLGQLTLENLQMLPESEDEESYDTESEFFTEFFE 300
|||||

273 DELPYDDCVFEGGQRLTL 289
|||||
301 DELPYDDCVFEGGQRLTL 317

```

Fig. 15 (Cont.)

[illegible]

Fig. 16

Fig. 16 (Cont.)

601 TYEDPNQAVREFAKEIDASCIEKIEKIVGVGEFFGEVCSGRLKVP GKREICV 650
 |||
 601 TYEDPNQAVREFAKEIDASCIEKIEKIVGVGEFFGEVCSGRLKVP GKREICV 650
 .
 651 AIKTLKAGYTDKQRRDFLSEASIMGQFDHPNIIHLEGVVTKCKPVMIIITE 700
 |||
 651 AIKTLKAGYTDKQRRDFLSEASIMGQFDHPNIIHLEGVVTKCKPVMIIITE 700
 .
 701 YMENGSLDAFLRKNDGRFTVIQLVGMLRGIGSGMKYLSDMSYVHRDLAAR 750
 |||
 701 YMENGSLDAFLRKNDGRFTVIQLVGMLRGIGSGMKYLSDMSYVHRDLAAR 750
 .
 751 NILVNSNLVCKVSDFGMSRVLEDDPEAA YTTTRGGKIPIRWTAPEAIA YRK 800
 |||
 751 NILVNSNLVCKVSDFGMSRVLEDDPEAA YTTTRGGKIPIRWTAPEAIA YRK 800
 .
 801 FTSASDVWSYGI VMWEVMSYGERPYWDMSNQD..... 832
 |||
 801 FTSASDVWSYGI VMWEVMSYGERPYWDMSNQDV IKAIEEGYRLPPPMDCP 850
 .
 833PNT 835
 |||
 851 IALHQLMLDCWQKERSDRPKFGQIVNM LDKLIRNPNSLKR TGTGESSRPNT 900

Fig. 16 (Cont.)

836 ALLDPSSPEFSVSVGDWQLQAIKMDRYKDNFTAAAGTATTTTAAVATTTT
 |||||
 901 ALLDPSSPEFSVSVGDWQLQAIKMDRYKDNFTAAAGTATTTTAAVATTTT
 |||||
 886 LARIGITAITHQNKILSSVQAMRTQMQQMHGRMVPV 921
 |||||
 951 LARIGITAITHQNKILSSVQAMRTQMQQMHGRMVPV 986

Fig. 16 (Cont.)

1 MNDEGIKNMDQVAPVANSYRGTLKRQPAFDTFDGLFAVFPSLNEEQTLQ 50
 |||||
 1 MNDEGIKNMDQVAPVANSYRGTLKRQPAFDTFDGLFAVFPSLNEEQTLQ 50
 51 EVPTGLDSISHDSANCELP LLTPCSKAVMSQALKATFSGF..... 90
 |||||
 51 EVPTGLDSISHDSANCELP LLTPCSKAVMSQALKATFSGFKKEQRRRLGIP 100
 91FWATNEEFLVNVNLQRFGMNGQMLCNLCKERFLEL 125
 |||||
 101 KNPWLWSEQQVCQWLLWATNEEFLVNVNLQRFGMNGQMLCNLCKERFLEL 150
 126 APDFVGDILWEHLEQMIKENQEKTEQYEENSHLTSVPHWINSNTLGFGT 175
 |||||
 151 APDFVGDILWEHLEQMIKENQEKTEQYEENSHLTSVPHWINSNTLGFGT 200
 176 EQAPYGMQTQNYPKGGLLDSCMPASTPSVLSSEQEFQMFPKSRLSSVSVT 225
 |||||
 201 EQAPYGMQTQNYPKGGLLDSCMPASTPSVLSSEQEFQMFPKSRLSSVSVT 250
 226 YCSVSQDFPGSNLNLTTNNSGTPKDHDPENGADSFESSDLLQSWNSQS 275
 |||||
 251 YCSVSQDFPGSNLNLTTNNSGTPKDHDPENGADSFESSDLLQSWNSQS 300

Fig. 17

325
326 SLLDVQRPVSFEFEDDCSQSLCNKPTMSFKDYIQERSDPVEQGKPVIP 325
301 SLLDVQRPVSFEFEDDCSQSLCNKPTMSFKDYIQERSDPVEQGKPVIP 350
326 AAVLAGFTGSGPIQLWQFLELLSDKSCQSFISWTGDGWEFKLADPDEVA 400
351 AAVLAGFTGSGPIQLWQFLELLSDKSCQSFISWTGDGWEFKLADPDEVA 425
376 RRWGKRKNKPKMNYEKL SRGLRYYDKNIIHKTSGRYVYRFVCDLQNL 450
401 RRWGKRKNKPKMNYEKL SRGLRYYDKNIIHKTSGRYVYRFVCDLQNL 444
426 GFTPEELHAILGVQPD TED 444
451 GFTPEELHAILGVQPD TED 469

Fig. 17 (Cont.)

```

1  MAGSAMSSKFFLVALAIFFSFAQVVEANSWWSLGMNPNVQMSEVYIIGA 50
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1  MAGSAMSSKFFLVALAIFFSFAQVVEANSWWSLGMNPNVQMSEVYIIGA 50

51  QPLCSQLAGLSQGQKKLCHLYQDHMQYIGEGAKTGICEQYQFRHRRWNC 100
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51  QPLCSQLAGLSQGQKKLCHLYQDHMQYIGEGAKTGICEQYQFRHRRWNC 100

101 STVDNTSVFGRVMQIGSRETAFTYAVSAAGVNVNAMS RACREGELSTCGCS 150
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 STVDNTSVFGRVMQIGSRETAFTYAVSAAGVNVNAMS RACREGELSTCGCS 150

151 RAARPKDLPRDWLWGGCGDNIDYGYRFAKEFVDARERERIHAKGSYESAR 200
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 RAARPKDLPRDWLWGGCGDNIDYGYRFAKEFVDARERERIHAKGSYESAR 200

201 ILMNLHNNAGRRTVVYNLADVACKCHGVSGSCSLKTCWLQLADFRKVGDA 250
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 ILMNLHNNAGRRTVVYNLADVACKCHGVSGSCSLKTCWLQLADFRKVGDA 250

251 LKEKYDT 257
   | | | | | .
251 LKEKYDS 257

```

Fig. 18

1 MALRRSMGRPGLPPLPLPPPPRLGILLAEESAAAGLKIMGAPVKLTVSQSQ 50
 |||||
 1 MALRRSMGRPGLPPLPLPPPPRLGILLAEESAAAGLKIMGAPVKLTVSQSQ 50
 51 PVKLNCSEGMEEPDIQWVKDGAVVQNLDQLYIPVSEQHWIGFSLKSVE 100
 |||||
 51 PVKLNCSEGMEEPDIQWVKDGAVVQNLDQLYIPVSEQHWIGFSLKSVE 100
 101 RSDAGRYWCQVEDGGETEISQPVWLTVEGVPEFTVEPKDLAVPPNAPFQL 150
 |||||
 101 RSDAGRYWCQVEDGGETEISQPVWLTVEGVPEFTVEPKDLAVPPNAPFQL 150
 151 SCEAVGPPEPVTIVVWRGTTKIGGPAPSPSVLNVGTGTQSTMFSCAEHNL 200
 |||||
 151 SCEAVGPPEPVTIVVWRGTTKIGGPAPSPSVLNVGTGTQSTMFSCAEHNL 200
 201 KGLASSRTATVHLQALPAAPENITVTKLSSSNASVAVWMPGADGRALLQSC 250
 |||||
 201 KGLASSRTATVHLQALPAAPENITVTKLSSSNASVAVWMPGADGRALLQSC 250
 251 TVQVTQAPGGWEVLAVVVPVPPFTCLLRDLVPATNYSRLRVCANALGPSP 300
 |||||
 251 TVQVTQAPGGWEVLAVVVPVPPFTCLLRDLVPATNYSRLRVCANALGPSP 300

Fig. 19

301 YADWVPFQTKGLAPASAPQNLHAIRTDGSLLEWEEVPEAPLEGPLGPY 350
 |||||
 301 YADWVPFQTKGLAPASAPQNLHAIRTDGSLLEWEEVPEAPLEGPLGPY 350
 |||||
 301 YADWVPFQTKGLAPASAPQNLHAIRTDGSLLEWEEVPEAPLEGPLGPY 400
 |||||
 351 KLSWVQDNGTQDELTVETRANLTGWDPQKDLIVRVCVSNVCGPWSQP 400
 |||||
 351 KLSWVQDNGTQDELTVETRANLTGWDPQKDLIVRVCVSNVCGPWSQP 450
 |||||
 401 LVVSSHDRAGQQGPPHSRTSWPVVLGVLTALVTAAALALLRKRKKE 450
 |||||
 401 LVVSSHDRAGQQGPPHSRTSWPVVLGVLTALVTAAALALLRKRKKE 500
 |||||
 451 RFGQAFDSVMARGEPAVHFRAARSFNRPERPERIEATLDSLGSDELKEKL 500
 |||||
 451 RFGQAFDSVMARGEPAVHFRAARSFNRPERPERIEATLDSLGSDELKEKL 550
 |||||
 501 EDVLIPEQQFTLGRMLGKGEFGSVREAQLKQEDGSFVKVAVKMLKADIIA 550
 |||||
 501 EDVLIPEQQFTLGRMLGKGEFGSVREAQLKQEDGSFVKVAVKMLKADIIA 600
 |||||
 551 SSDIEEFLREAAACMKKEFDHPHVAKLVGVSLRSRAKGRLPIMVILPFMKH 600
 |||||
 551 SSDIEEFLREAAACMKKEFDHPHVAKLVGVSLRSRAKGRLPIMVILPFMKH 600

Fig. 19 (Cont.)

```

601 GDLHAFLLASRIGENPFNLPLQTLIRFMVVDIACGMEYLSSRNFIHRDLAA 650
|||||
601 GDLHAFLLASRIGENPFNLPLQTLIRFMVVDIACGMEYLSSRNFIHRDLAA 650
|||||
651 RNCMLAEDMTVCVADFGLSRKIYSDCRY 678
|||||
651 RNCMLAEDMTVCVADFGLSRKIYSGDYY 678

```

Fig. 19(Cont.)

Fig. 20

301 NGMLRYRIVSQAPSTPSPNMFNTINNETGDIITVAAGLDREKVQQYTLIIQ 350
 |||||
 301 NGMLRYRIVSQAPSTPSPNMFNTINNETGDIITVAAGLDREKVQQYTLIIQ 350

 351 ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIV 400
 |||||
 351 ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIV 400

 401 ANLTVTDKQDPHTPAWNAVYRISGGDPTGRFAIQTDPNNSNDGLVTVVKPI 450
 |||||
 401 ANLTVTDKQDPHTPAWNAVYRISGGDPTGRFAIQTDPNNSNDGLVTVVKPI 450

 451 DFETNRMFVLTVAAEENQVPLAKGIQHPPQSTATVSVTIDVNENPYFAPN 500
 : |||||
 451 DFETNRMFVLTVAAEENQVPLAKGIQHPPQSTATVSVTIDVNENPYFAPN 500

 501 PKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVN 550
 |||||
 501 PKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVN 550

 551 GQITTIADVLDRESPNVKNNIYNATFLASDNGIPPMMSGTGTQIYLLDIND 600
 |||||
 551 GQITTIADVLDRESPNVKNNIYNATFLASDNGIPPMMSGTGTQIYLLDIND 600

Fig. 20 (Cont.)

601 NAPQVLPQEAETCETPDNPNSINITALDYDIDPNAGPFAFDLPLSPVTIKR 650
 |||||
 601 NAPQVLPQEAETCETPDNPNSINITALDYDIDPNAGPFAFDLPLSPVTIKR 650
 . . .
 651 NWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKV 700
 |||||
 651 NWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKV 700
 . . .
 701 CQCDNSGDCCTDVRIVGAGLGTGAI IAILLCIIILLVLMFVVMKRRD 750
 |||||
 701 CQCDNSGDCCTDVRIVGAGLGTGAI IAILLCIIILLVLMFVVMKRRD 750
 . . .
 751 KERQAKQLLIDPEDDVRDNILKYDEEGGGEEDQDYDLSQLQQPDTVEPDA 800
 |||||
 751 KERQAKQLLIDPEDDVRDNILKYDEEGGGEEDQDYDLSQLQQPDTVEPDA 800
 . . .
 801 IKPVGIRRMDERPIHAEPQYPVRSAAAPHPGDIGDFINE 838
 |||||
 801 IKPVGIRRMDERPIHAEPQYPVRSAAAPHPGDIGDFINE 838

Fig. 20 (Cont.)

```

1 MERVKMINVQRLLEAAEFFLERRECEHGYASSFPSPRLQHSKP 50
  |||||
1 MERVKMINVQRLLEAAEFFLERRECEHGYASSFPSPRLQHSKP 50
  |||||

51 LSRAQKHSSGSSNTSTANRSTHNELEKNR 79
  |||||
51 LSRAQKHSSGTSNTSTANRSTHNELEKNR 79

```

Fig. 21

```

11 NVQILLEAASYLEQIEKENKKCEHGYASSFPSPRLQHSKPPRRLSRA 60
   ||| |||| :||. ||| ||||| ||||| ||||| ||||| |||||
8 NVQRLLEAAEFLERRERE...CEHGYASSFPSPRLQHSKPPRRLSRA 54
   . . . . .
61 QKHSSGSSNTSTANRSTHNELEKNRRAHLRLCLERLKVLIPLGDCRHT 110
   |||||.||||| ||||| ||||| ||||| ||||| ||||| |||||
55 QKHSSGTSNTSTANRSTHNELEKNRRAHLRLCLERLKVLIPLGDCRHT 104
   . . . . .
111 TLGLLNKAKAHIKKLEEAERKSQHOLENLEREQRFLKWRLEQLQGPQEME 160
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
105 TLGLLNKAKAHIKKLEEAERKSQHOLENLEREQRFLKWRLEQLQGPQEME 154
   . . . . .
161 RIRMSIGSTISSDRSDSEREEIEVDVESTEFESHGEVDNISTSIDIDD 210
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
155 RIRMSIGSTISSDRSDSEREEIEVDVESTEFESHGEVDNISTSIDIDD 204
   . . . . .
211 HSSLPSIGSDEGYSSASVKLSFTS 234
   ||||| ||||| ||||| ||||| |||||
205 HSSLPSIGSDEGYSSASVKLSFTS 228

```

Fig. 22

```

1 MESPASSQPASMPQSKGSKRKKDLRISCMSKPPAPNPPTPRNLDSTRFI 50
  |||||
1 MESPASSQPASMPQSKGSKRKKDLRISCMSKPPAPNPPTPRNLDSTRFI 50

  .
51 TIGDRNFEVEADDLVTISELGRGAYGVVEKVRHAQSGTIMAVKRIRATVN 100
  |||||
51 TIGDRNFEVEADDLVTISELGRGAYGVVEKVRHAQSGTIMAVKRIRATVN 100

  .
101 SQEQKRLLMDLDINMRTVDCFYTVTFYGALFREGDVWICMELMDTSLDKF 150
  |||||
101 SQEQKRLLMDLDINMRTVDCFYTVTFYGALFREGDVWICMELMDTSLDKF 150

  .
151 YRKVLDKNMTIPEDILGEIAVSIVRALEHLHSLSVIHRDVKPSNVLINK 200
  |||||
151 YRKVLDKNMTIPEDILGEIAVSIVRALEHLHSLSVIHRDVKPSNVLINK 200

  .
201 EGHVKMCDFGISGYLVDSVAKTMDAGCKPYMAPERINPELNQKGYNVKSD 250
  |||||
201 EGHVKMCDFGISGYLVDSVAKTMDAGCKPYMAPERINPELNQKGYNVKSD 250

```

Fig. 23

```

251 VWSLGITMIEMAILRFPYESWGTPFQQLKQVVEEPPQLPADRFSPEFVD 300
|||||
251 VWSLGITMIEMAILRFPYESWGTPFQQLKQVVEEPPQLPADRFSPEFVD 300
|||||
301 FTAQCLRKKNPAERMSYLELI 320
|||||
301 FTAQCLRKKNPAERMSYLELM 320

```

Fig. 23(Cont.)

```

1 MPEIRLRHVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTSVVVLQLE 50
  |||||
1 MPEIRLRHVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTSVVVLQLE 50

51 KEEQIHSVDIGNDGS AFVEVLVGSSAGGAGEQDYEVLLVTSSEFMSPESESR 100
  |||||
51 KEEQIHSVDIGNDGS AFVEVLVGSSAGGAGEQDYEVLLVTSSEFMSPESESR 100

101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150
  |||||
101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150

151 SPDDKDEAEAPSQKVTVTKLGFQFRVKEEDESANSLRPGALFFSRINKTSP 200
  |||||
151 SPDDKDEAEAPSQKVTVTKLGFQFRVKEEDESANSLRPGALFFSRINKTSP 200

201 VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTSKPQESP 242
  |||||
201 VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTSKPQESP 242

```

Fig. 24


```

1 MPEIRLRHVVCSSQDSTHCAENLLKADTYRKWRAAKAGEKTISVVLQLE 50
  |||||
1 MPEIRLRHVVCSSQDSTHCAENLLKADTYRKWRAAKAGEKTISVVLQLE 50

51 KEEQIHSVDIGNDGSFVEVLVGSSAGGAGEQDYEVLLVTSSFMSPSESR 100
  |||||
51 KEEQIHSVDIGNDGSFVEVLVGSSAGGAGEQDYEVLLVTSSFMSPSESR 100

101 SGSNPNRVRMFGPDKLVRAAAEKRWDRVKIVCSQPYSKDSPFGLSFVRFH 150
  |||||
101 SGSNPNRVRMFGPDKLVRAAAEKRWDRVKIVCSQPYSKDSPFGLSFVRFH 150

151 SPDPKDEAEAPSQKVTVTKLQFRVKEEDESANSLRPGALFFSRINKTSP 200
  |||||
151 SPDPKDEAEAPSQKVTVTKLQFRVKEEDESANSLRPGALFFSRINKTSP 200

201 VTASDPAGPSYAAATLQASSAASSASPVSRIGSTSKPQESS.....DF 244
  |||||
201 VTASDPAGPSYAAATLQASSAASSASPVSRIGSTSKPQESPCKGRKLDL 250

245 GVEEERSWRPQSIPIPSAP 264
  |.. :| . || |
251 NQEEKKTPSKPPAQLSPSPV 270

```

Fig. 25

```

1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTISVVQLQE 50
  |||||
1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTISVVQLQE 50
  |||||
51 KEEQIHSVDIGNDGSAFVEVLVGSSAGGAGEQDYEVLLVTSSFFMSPSES 100
  |||||
51 KEEQIHSVDIGNDGSAFVEVLVGSSAGGAGEQDYEVLLVTSSFFMSPSES 100
  |||||
101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150
  |||||
101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150
  |||||
151 SPPDKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRLEDYMSDRVQFV.. 198
  |||||
151 SPPDKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRPGALFFSRINKTSP 200
  |||||

199 ITAQE.WDPSEEEAImDNPSLA 219
  :|| : ||: | : | |
201 VTASDPAGPSYAAATLQASSAA 222

```

Fig. 26

```

1 MPEIRLRHVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTSIVVLQLE 50
  |||
1 MPEIRLRHVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTSIVVLQLE 50

51 KEEQIHSVDIGNDGSFVEVLVGSSAGGAGEQDYEVLLVTSFMSPSES 100
  |||
51 KEEQIHSVDIGNDGSFVEVLVGSSAGGAGEQDYEVLLVTSFMSPSES 100

101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150
  |||
101 SGSNPNRVRMFGPDKLVRAAAEKRWDVRKIVCSQPYSKDSPFGLSFVRFH 150

151 SPDPKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRPGALFFSRINKTSP 200
  |||
151 SPDPKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRPGALFFSRINKTSP 200

201 VTASDPAGPSYAAATLQASSAASSASPVSRRAIGSTSKPQESPKGKRKLDL 250
  |||
201 VTASDPAGPSYAAATLQASSAASSASPVSRRAIGSTSKPQESPKGKRKLDL 250

251 NOEEKKTPSKPPAQLSPSPVKRPRKLPAPTRTPATAVPARAQGAVTGKPR 300
  |||
251 NOEEKKTPSKPPAQLSPSPVKRPRKLPAPTRTPATAVPARAQGAVTGKPR 300

```

Fig. 27

```

301 GEGTEPRRPRAGPEELGKILQGVVVVLSGFQNPFRSELRDKALELGAKYR 350
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
301 GEGTEPRRPRAGPEELGKILQGVVVVLSGFQNPFRSELRDKALELGAKYR 350
    . . . . . . . . . . . . . . . . . . . . . . . . . . . .
351 PDWTRDSTHLICAFANTPKYSQVLGLGGRIVRKEWVLDCHRMRRRLPSRR 400
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
351 PDWTRDSTHLICAFANTPKYSQVLGLGGRIVRKEWVLDCHRMRRRLPSRR 400
    . . . . . . . . . . . . . . . . . . . . . . . . . . . .
401 YLMAGPGSSSEDEASHSGSGDEAPKLPQKQPQTKTKPTQAAGPSSPQK 450
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
401 YLMAGPGSSSEDEASHSGSGDEAPKLPQKQPQTKTKPTQAAGPSSPQK 450
    . . . . . . . . . . . . . . . . . . . . . . . . . . . .
451 PPTPEETKAASPVLQEDIDIEGVQSEGQDNGAEDSGDTEDELRRAEQKE 500
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
451 PPTPEETKAASPVLQEDIDIEGVQSEGQDNGAEDSGDTEDELRRAEQKE 500
    . . . . . . . . . . . . . . . . . . . . . . . . . . . .
501 HRLPPGQEEENGEDPYAGSTDENTDSEEHQEPDLPVPELPRFLPGQ 546
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
501 HRLPPGQEEENGEDPYAGSTDENTDSEEHQEPDLPVPELPRFFQ GK 546

```

Fig. 27(Cont.)

1 MAGAIASRMSFSSLKRKQPKTFTVRIVTMDAEMEFCNCKWKGDLDLV 50
 |||
 1 MAGAIASRMSFSSLKRKQPKTFTVRIVTMDAEMEFCNCKWKGDLDLV 50

51 CRTGLRETWFFGLQYTIKDTVAWLKMDKKVLDHDSKEEPTFFHFLAKF 100
 |||
 51 CRTGLRETWFFGLQYTIKDTVAWLKMDKKVLDHDSKEEPTFFHFLAKF 100

101 YPENAEELVQEITQHLFFLQVKKQILDKEIYCPPEASVLLASYAVQAKY 150
 |||
 101 YPENAEELVQEITQHLFFLQVKKQILDKEIYCPPEASVLLASYAVQAKY 150

151 GDYDPSVHKRGFLAQEELLPKRVINLYQMTPEMWEERITAWYAEHRGRAR 200
 |||
 151 GDYDPSVHKRGFLAQEELLPKRVINLYQMTPEMWEERITAWYAEHRGRAR 200

201 DEAEEMEYLKIAQDLEMYGVNYFAIRNKKGTPELLGVDAALGLHIYDPENRL 250
 |||
 201 DEAEEMEYLKIAQDLEMYGVNYFAIRNKKGTPELLGVDAALGLHIYDPENRL 250

251 TPKISFPWKNEIRNISYSKDEFTIKPLDKKIDVFKFNSSKLRVNKLILQL 300
 |||
 251 TPKISFPW.NEIRNISYSKDEFTIKPLDKKIDVFKFNSSKLRVNKLILQL 299

Fig. 28

301 CIGNHDLFMRRRKADSLFVQOMKAQAREEKARK..... 333
 |||||
 300 CIGNHDLFMRRRKADSLFVQOMKAQAREEKARKQMERQRLAREKQMRREEA 349
 334OMKEEATMANEALMRSEETADLLAEKAQITTEEEAKLLA 371
 |||||
 350 ERTRDELERLLQMKEEATMANEALMRSEETADLLAEKAQITTEEEAKLLA 399
 372 QKAAEAEQEMQRIKATAIRTEEEKRLMEQKVLEAEVLALKMAEESERRAK 421
 |||||
 400 QKAAEAEQEMQRIKATAIRTEEEKRLMEQKVLEAEVLALKMAEESERRAK 449
 422 EADQLKQDLQEAAREAEERRAKQKLLLEIATKPTYPPMNPAPLPDIPSFN 471
 |||||
 450 EADQLKQDLQEAAREAEERRAKQKLLLEIATKPTYPPMNPAPLPDIPSFN 499
 472 LIGDSLFSDFKDTDMKRLSMEIEKEKVEYMEKSKHLQEQNLKTEIEAL 521
 |||||
 500 LIGDSLFSDFKDTDMKRLSMEIEKEKVEYMEKSKHLQEQNLKTEIEAL 549
 522 KLKERETALDILHNENSDRGSSKHNTIKKLTQSAKSRVAFEEEL 567
 |||||
 550 KLKERETALDILHNENSDRGSSKHNTIKKLTQSAKSRVAFEEEL 595

Fig. 28 (Cont.)

1 MDLEGRNGGAKKKNFFKLNKSEKDKKPKTVSVFSMFRYSNWLDKLY 50
 |||
 1 MDLEGRNGGAKKKNFFKLNKSEKDKKPKTVSVFSMFRYSNWLDKLY 50
 51 MVVGTIAAIIHGAGLPLMMLVFGEMTDIFANAGNLEDLMSNITNRSND 100
 |||
 51 MVVGTIAAIIHGAGLPLMMLVFGEMTDIFANAGNLEDLMSNITNRSND 100
 101 TGFFMNLEEDMTRYAYYYSGIGAGVLVAAIYQVSFWCLAAGRQIHKIRKQ 150
 |||
 101 TGFFMNLEEDMTRYAYYYSGIGAGVLVAAIYQVSFWCLAAGRQIHKIRKQ 150
 151 FFHAIMRQEIIGWFDVHDVGEINTRLTDDVSKINEVIGDKIGMFFQSMATF 200
 |||
 151 FFHAIMRQEIIGWFDVHDVGEINTRLTDDVSKINEVIGDKIGMFFQSMATF 200
 201 FTGFIVGFTRGWKLTLVILAISPVGLSAAVWAKILSSFTDKELLAYAKA 250
 |||
 201 FTGFIVGFTRGWKLTLVILAISPVGLSAAVWAKILSSFTDKELLAYAKA 250
 251 GAVAEVLAARTVIAFGGQKKELELYNKNLEEAKRIGIKKAITANISIG 300
 |||
 251 GAVAEVLAARTVIAFGGQKKELELYNKNLEEAKRIGIKKAITANISIG 300

Fig. 30

301 AAFLLIYASYALAFWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP 350
 |||||
 301 AAFLLIYASYALAFWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP 350

 351 SIEAFANARGAAYEIFKIIDNKPSIDSYSKSGHKPDNIKGNLEFRNVHFS 400
 |||||
 351 SIEAFANARGAAYEIFKIIDNKPSIDSYSKSGHKPDNIKGNLEFRNVHFS 400

 401 YPSRKEVKILKGLNLKVQSGQTVALVNSGCCGKSTTVQLMQRLYDPTEGM 450
 |||||
 401 YPSRKEVKILKGLNLKVQSGQTVALVNSGCCGKSTTVQLMQRLYDPTEGM 450

 451 VSDGQDIRTINVRFLREIIGVVSQEPVLFATTIAENIRYGRENVMTDEI 500
 |||||
 451 VSDGQDIRTINVRFLREIIGVVSQEPVLFATTIAENIRYGRENVMTDEI 500

 501 EKAVKEANAYDFIMKLPHKFDTLVGERGAQLSGGQKQRIARALVRNPK 550
 |||||
 501 EKAVKEANAYDFIMKLPHKFDTLVGERGAQLSGGQKQRIARALVRNPK 550

 551 ILLDEATSALDTESEAVVQVALDKARKGRTTIVIAHRLSTVRNADVIA 600
 |||||
 551 ILLDEATSALDTESEAVVQVALDKARKGRTTIVIAHRLSTVRNADVIA 600

Fig. 30 (Cont.)

601 FDDGVIVEKGNHDELMKEKGIYFKLVMTMQTAGNEVELENAADESKSEIDA 650
 |||||
 601 FDDGVIVEKGNHDELMKEKGIYFKLVMTMQTAGNEVELENAADESKSEIDA 650

651 LEMSSNDSRSSLIRKRSTRRSVRGSAQDRKLSTKEALDESIPVFSWRI 700
 |||||
 651 LEMSSNDSRSSLIRKRSTRRSVRGSAQDRKLSTKEALDESIPVFSWRI 700

701 MKLNLTEWPYFVVGVFCAIINGGLQPAFAIIFSKIIGVTRIDDPETKRQ 750
 |||||
 701 MKLNLTEWPYFVVGVFCAIINGGLQPAFAIIFSKIIGVTRIDDPETKRQ 750

751 NSNLFSLFLALGIISFTTFELQGFTEGKAGEILTKRLRYMVFRSMLRQD 800
 |||||
 751 NSNLFSLFLALGIISFTTFELQGFTEGKAGEILTKRLRYMVFRSMLRQD 800

801 VSWFDDPKNTTGALTTRLANDAAQVKGAIGSRLAVITQNIANLGTGIIIS 850
 |||||
 801 VSWFDDPKNTTGALTTRLANDAAQVKGAIGSRLAVITQNIANLGTGIIIS 850

851 FIYGWQLTLLLLAIVPIIAIAGVVEMKMLSGQALKDKKELEGAGKIATEA 900
 |||||
 851 FIYGWQLTLLLLAIVPIIAIAGVVEMKMLSGQALKDKKELEGAGKIATEA 900

Fig. 30 (Cont.)

901 IENFRTVSLTQEQKFEHMYAQLQVPRNSLRKAHIFGITFSFTQAMMY 950
 |||||
 901 IENFRTVSLTQEQKFEHMYAQLQVPRNSLRKAHIFGITFSFTQAMMY 950

 951 FSYAGCFRFGAYLVAHKLMSFEDVLLVFSVAVFGAMAVGVSSFAFDYAK 1000
 |||||
 951 FSYAGCFRFGAYLVAHKLMSFEDVLLVFSVAVFGAMAVGVSSFAFDYAK 1000

 1001 AKISAAHIIMIIEKTPLIDSYSTEGLMPNTLEGNVTFGEVVFNYPTRPDI 1050
 |||||
 1001 AKISAAHIIMIIEKTPLIDSYSTEGLMPNTLEGNVTFGEVVFNYPTRPDI 1050

 1051 PVLQGLSLEVKKGQTLALVGSSGCGKSTVVQLLERFYDPLAGKVLLDGKE 1100
 |||||
 1051 PVLQGLSLEVKKGQTLALVGSSGCGKSTVVQLLERFYDPLAGKVLLDGKE 1100

 1101 IKRLNVQWLR AHLGIVSQEPILFDCSIAENIAYGDN SRVVSQEEIVRAAK 1150
 |||||
 1101 IKRLNVQWLR AHLGIVSQEPILFDCSIAENIAYGDN SRVVSQEEIVRAAK 1150

 1151 EANIHA FIESLPNKYSTKVGDKGTQLSGGQKQRIAIARALVRQPHILLD 1200
 |||||
 1151 EANIHA FIESLPNKYSTKVGDKGTQLSGGQKQRIAIARALVRQPHILLD 1200

1201 EATSALDTESEKVVQEALDKAREGRTCIVIAHRLSTIQNADLIVVFQNGR 1250
 |||||
 1201 EATSALDTESEKVVQEALDKAREGRTCIVIAHRLSTIQNADLIVVFQNGR 1250
 .
 1251 VKEHGTHQQLLAQKGIYFSMVSVQAGT 1277
 |||||
 1251 VKEHGTHQQLLAQKGIYFSMVSVQAGT 1277

Fig. 30(Cont.)

```

1 MDLEGNRGGAKKKNEFFKLNKSEKDKKEKPTVSVFSMFRYSNWLDKLY 50
  |||||
1 MDLEGNRGGAKKKNEFFKLNKSEKDKKEKPTVSVFSMFRYSNWLDKLY 50

51 MVVGTLAAILHGAGLPLMMLVFGEMTDIFANAGNLEDLMSNITNRSNDIND 100
  |||||
51 MVVGTLAAILHGAGLPLMMLVFGEMTDIFANAGNLEDLMSNITNRSNDIND 100

101 TGFFMNLEEDMTRYAAYYSYGIGAGVLVAAYIQVSFWCLAAGRQIHKIRKQ 150
  |||||
101 TGFFMNLEEDMTRYAAYYSYGIGAGVLVAAYIQVSFWCLAAGRQIHKIRKQ 150

151 FFHAIMRQEIGWFDVHDVGELNTRLTDDVSKINEGIGDKIGMFFQSMATF 200
  |||||
151 FFHAIMRQEIGWFDVHDVGELNTRLTDDVSKINEVIGDKIGMFFQSMATF 200

201 FTGFI VGTFRGWKLTILVILAISPVLGLSAAVWAKILSSFTDKELLAYAKA 250
  |||||
201 FTGFI VGTFRGWKLTILVILAISPVLGLSAAVWAKILSSFTDKELLAYAKA 250

251 GAVAEVLA AIRT V IAFGGQKKELERYNKNL EEA KRIGIKKAITANISIG 300
  |||||
251 GAVAEVLA AIRT V IAFGGQKKELERYNKNL EEA KRIGIKKAITANISIG 300

```

Fig. 31

301 AAFLLIYASYALAFWYGTTLVLSGEYSIGQVLTFFFSVLIGAFSVGQASP 350
 |||||
 301 AAFLLIYASYALAFWYGTTLVLSGEYSIGQVLTFFFSVLIGAFSVGQASP 350
 . . .
 351 SIEAFANARGAAYEIFKIIDNKPSIDSYSKSGHKPDNIKGNLEFRNVHFS 400
 |||||
 351 SIEAFANARGAAYEIFKIIDNKPSIDSYSKSGHKPDNIKGNLEFRNVHFS 400
 . . .
 401 YPSRKEVKILKGLNLKVQSGQTVALVGNSGCGKSTTVQLMORLYDPTEGM 450
 |||||
 401 YPSRKEVKILKGLNLKVQSGQTVALVGNSGCGKSTTVQLMORLYDPTEGM 450
 . . .
 451 VSVDGQDIRTINVRFLREIIGVVSQEPVLFATTIAENIRYGRENVTMDEI 500
 |||||
 451 VSVDGQDIRTINVRFLREIIGVVSQEPVLFATTIAENIRYGRENVTMDEI 500
 . . .
 501 EKAVKEANAYDFIMKLPHKFDTLVGERGAQLSGGQKQRIAIARALVRNPK 550
 |||||
 501 EKAVKEANAYDFIMKLPHKFDTLVGERGAQLSGGQKQRIAIARALVRNPK 550
 . . .
 551 ILLLDEATSALDTESEAEVQAALDKVSR 578
 ||||| :
 551 ILLLDEATSALDTESEAVVQVALDKARK 578

Fig. 31(Cont.)

1 MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSAQGI VCAAYDAILER 50
 |||||
 1 MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSAQGI VCAAYDAILER 50
 . . .
 51 NVAIKKLSRPFQNHAKRAYRELVLKMCVNHKNIIGLLNVFT POKSLEE 100
 |||||
 51 NVAIKKLSRPFQNHAKRAYRELVLKMCVNHKNIIGLLNVFT POKSLEE 100
 . . .
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 |||||
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 . . .
 151 DLKPSNIVVKS DCTLKILDFGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 |||||
 151 DLKPSNIVVKS DCTLKILDFGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 201 GYKENTE 207
 ||||| :
 201 GYKENVD 207

Fig. 32

1 MSRSKRDNNFYSEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILER 50
 |||||
 1 MSRSKRDNNFYSEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILER 50
 51 NVAIKKLSRPFQNTAKRAYRELVLKMCVNHKNIIGLLNVFTPQKSLEE 100
 |||||
 51 NVAIKKLSRPFQNTAKRAYRELVLKMCVNHKNIIGLLNVFTPQKSLEE 100
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 |||||
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 151 DLKPSNIVVKSDCTLKILDFGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 |||||
 151 DLKPSNIVVKSDCTLKILDFGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTPCPEFMK 250
 |||||
 201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTPCPEFMK 250
 251 KLQPTVRTYVENRPRKYAGYSFEKLFDPDVLFPADSEHNKLKASQ 293
 |||||
 251 KLQPTVRTYVENRPRKYAGYSFEKLFDPDVLFPADSEHNKLKASQ 293

Fig. 33

1 MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILER 50
 |||||
 1 MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILER 50
 .
 51 NVAIKKLSRPFQNTAKRAYRELVLKMCVNHKNIIGLLNVFTPPQKSLEE 100
 |||||
 51 NVAIKKLSRPFQNTAKRAYRELVLKMCVNHKNIIGLLNVFTPPQKSLEE 100
 .
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 |||||
 101 FQDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHR 150
 .
 151 DLKPSNIVVKSDCTLKILDGLARTAGTSEMMTPYVVTRYRAPEVILGM 200
 |||||
 151 DLKPSNIVVKSDCTLKILDGLARTAGTSEMMTPYVVTRYRAPEVILGM 200
 .
 201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTPCPEFMK 250
 |||||
 201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTPCPEFMK 250

Fig. 34

```

251 KLQPTVRTYVENRPPKYAGYSFEKLFPPDVLFPADSEHNKCLKASQARDLLSK 300
|||||
251 KLQPTVRTYVENRPPKYAGYSFEKLFPPDVLFPADSEHNKCLKASQARDLLSK 300

301 MLVIDASKRISVDEALQHPYINVWYDPSEAEARSCKL 337
|||||
301 MLVIDASKRISVDEALQHPYINVWYDPSEAEAPPKI 337

```

Fig. 34(Cont.)

7 arsgfyrqevtktaewravryrdlqpvgsgaygavcsavdgrtgakvaik 56
 |||||
 1 ARSGFYRQEVTKTAEVRAVRYRDLQPVGSGAYGAVCSAVDGRGTGAKVAIK 50
 57 klyrpfqselfakrayrelrllkhrhenviglldvftpdetlddftdfy 106
 |||||
 51 KLYRPFQSELFAPKRAYRELRLKMRHENVIGLLDVFTPDDETLDFTDFY 100
 107 lvmpfmngtdlgklmkheklgedriqlvyqmlkglyryihaagihrdlkp 156
 |||||
 101 LVMPFMGTDLGKLMKHEKLGEDRIQLVYQMLKGLRYIHAAGIIHR.VSP 149
 157 gnlavne 163
 | | :
 150 GGEAAHQ 156

Fig. 35

```

1 MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYVESENGQMYIQKP 50
  |||||
1 MSPFLRIGLSNFDGSCQSCQSCQGEAVNPYCAVLVKEYVESENGQMYIQKP 50

51 TMYPPWDSTFDAHINKGRVMQIIVKGNVDLISSETTVELYSLAERCCKNN 100
  |||||
51 TMYPPWDSTFDAHINKGRVMQIIVKGNVDLISSETTVELYSLAERCCKNN 100

101 GKTEIWLELKPQGRMLMNARYFLEMSDTKDMNEFEFTEGFFALHQRRAIK 150
  |||||
101 GKTEIWLELKPQGRMLMNARYFLEMSDTKDMNEFEFTEGFFALHQRRAIK 150

151 QAKVHHVKCHEFTATFFPQPTFCSVCHEFVWGLNKQGYQCRQCNAAIHKK 200
  |||||
151 QAKVHHVKCHEFTATFFPQPTFCSVCHEFVWGLNKQGYQCRQCNAAIHKK 200

201 CIDKVIKCTGSAINSRETMFHKERFKIDMPHRFKVYNYKSPTFCEHCCT 250
  |||||
201 CIDKVIKCTGSAINSRETMFHKERFKIDMPHRFKVYNYKSPTFCEHCCT 250

```

Fig. 36

251 LLWGLARQGLKCDACGMNVHRCQTKVANLCGINQKLMAEALAMIESTQQ 300
 |||||
 251 LLWGLARQGLKCDACGMNVHRCQTKVANLCGINQKLMAEALAMIESTQQ 300
 |||||
 301 ARCLRDTEQIFREGPVEIGLPCSIKNEARPPCLPTPGKREPQGISWESPL 350
 |||||
 301 ARCLRDTEQIFREGPVEIGLPCSIKNEARLPCLPTPGKREPQGISWESPL 350
 |||||
 351 DEVDKMCHLPEPELNKERPSLQIKLKIEDFILHKMLGKGSFGKVFLAEFK 400
 |||||
 351 DEVDKMCHLPEPELNKERPSLQIKLKIEDFILHKMLGKGSFGKVFLAEFK 400
 |||||
 401 KTNQFFAIKALKKDVVLMDDDDVECTMVEKRVLSLAWEHPPFLTHMFCFTQT 450
 |||||
 401 KTNQFFAIKALKKDVVLMDDDDVECTMVEKRVLSLAWEHPPFLTHMFCFTQT 450
 |||||
 451 KENLFFVMEYLNCGDLMYHIQSCHKFDLSRATFYAAEIIILGLQFLHSGKI 500
 |||||
 451 KENLFFVMEYLNCGDLMYHIQSCHKFDLSRATFYAAEIIILGLQFLHSGKI 500

Fig. 36 (Cont.)

501 VYRDLKLDNILLDKDGHKIADFGMCKENMLGDAKNTFCGTPDYIAPEI 550
 |||||
 501 VYRDLKLDNILLDKDGHKIADFGMCKENMLGDAKNTFCGTPDYIAPEI 550
 551 LLGQKYNHSVDWWSFGVLLYEMLLIGQSPFHGQDEEEELFHSIRMDNPFYPR 600
 |||||
 551 LLGQKYNHSVDWWSFGVLLYEMLLIGQSPFHGQDEEEELFHSIRMDNPFYPR 600
 601 WLEKEAKDLLVK..VRSEAKSVFIR 623
 |||||
 601 WLEKEAKDLLVKLFVREPEKRLGVR 625

Fig. 36 (Cont.)